

Material: 1/16 inch aluminum  
All dimensions are in inches.

**Designlab**

87 Chestnut st. Owego, N.Y.

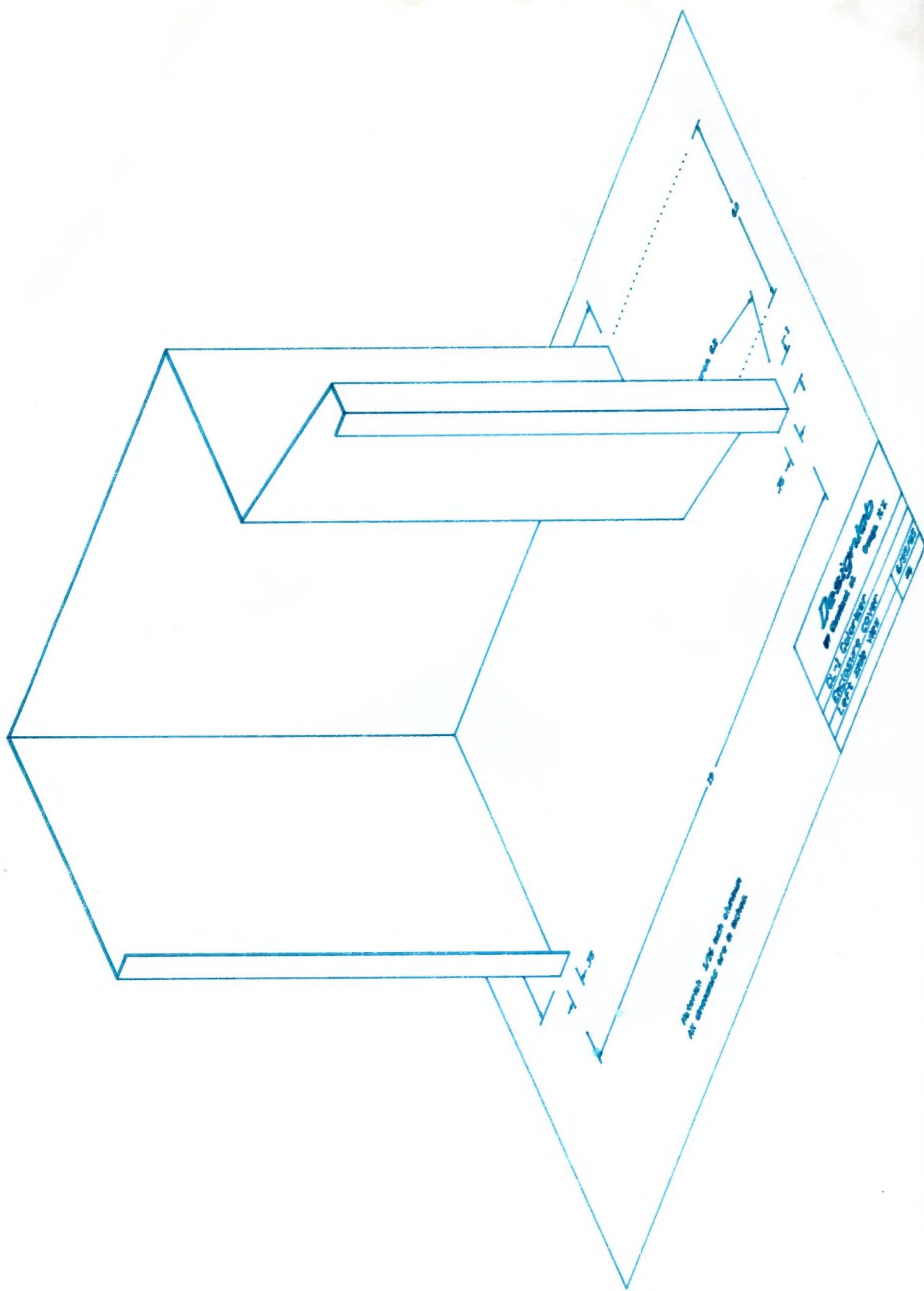
CL-1 Colorizer

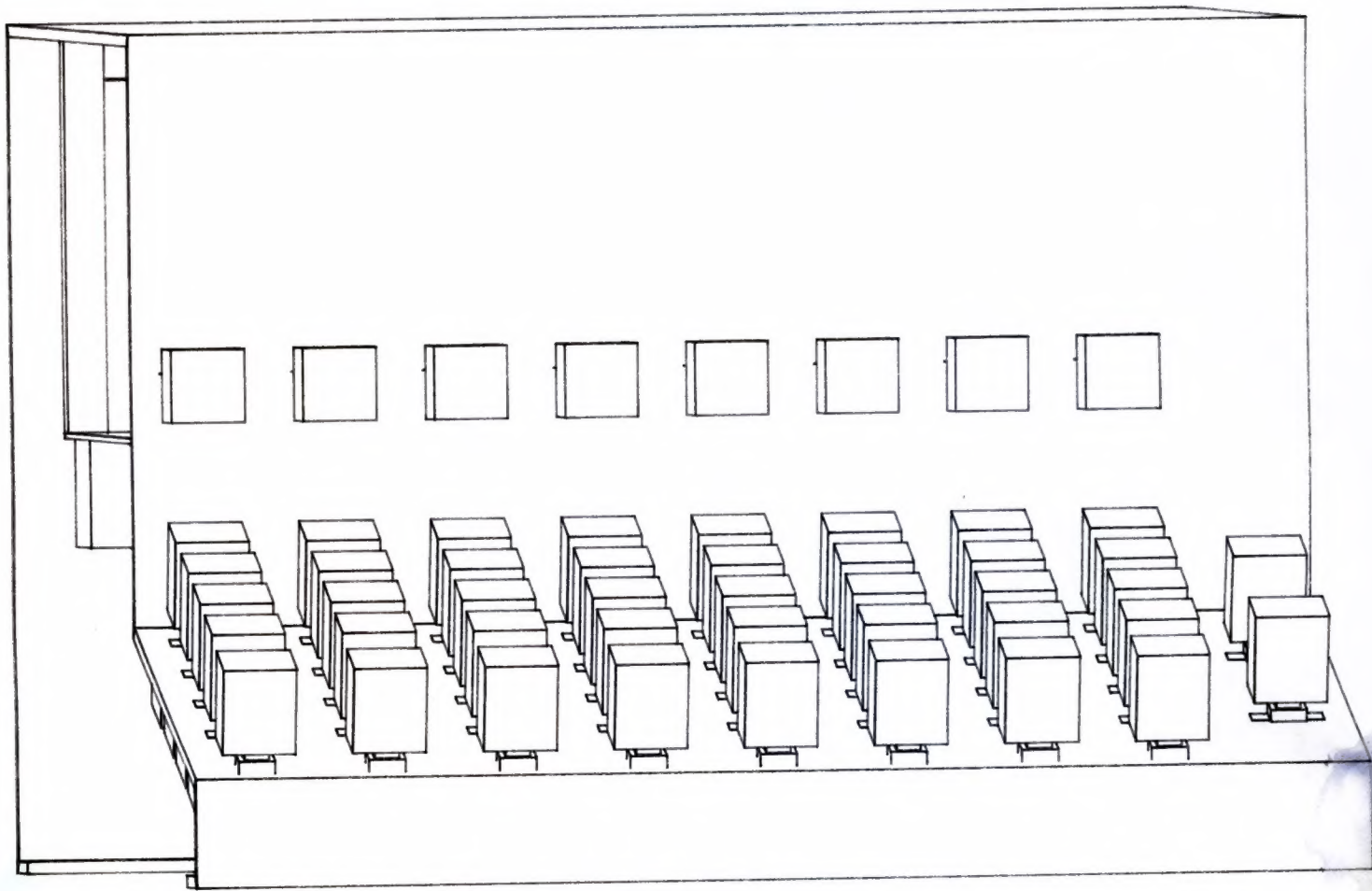
Enclosure cover

Left side view

6 25/80

44

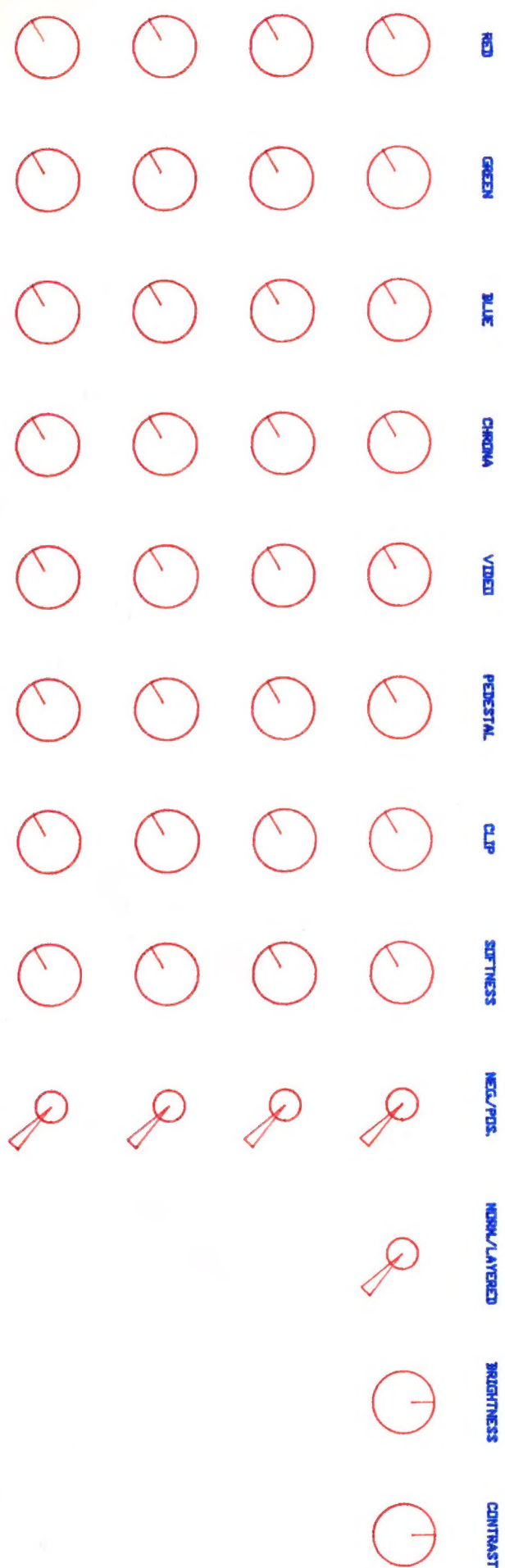




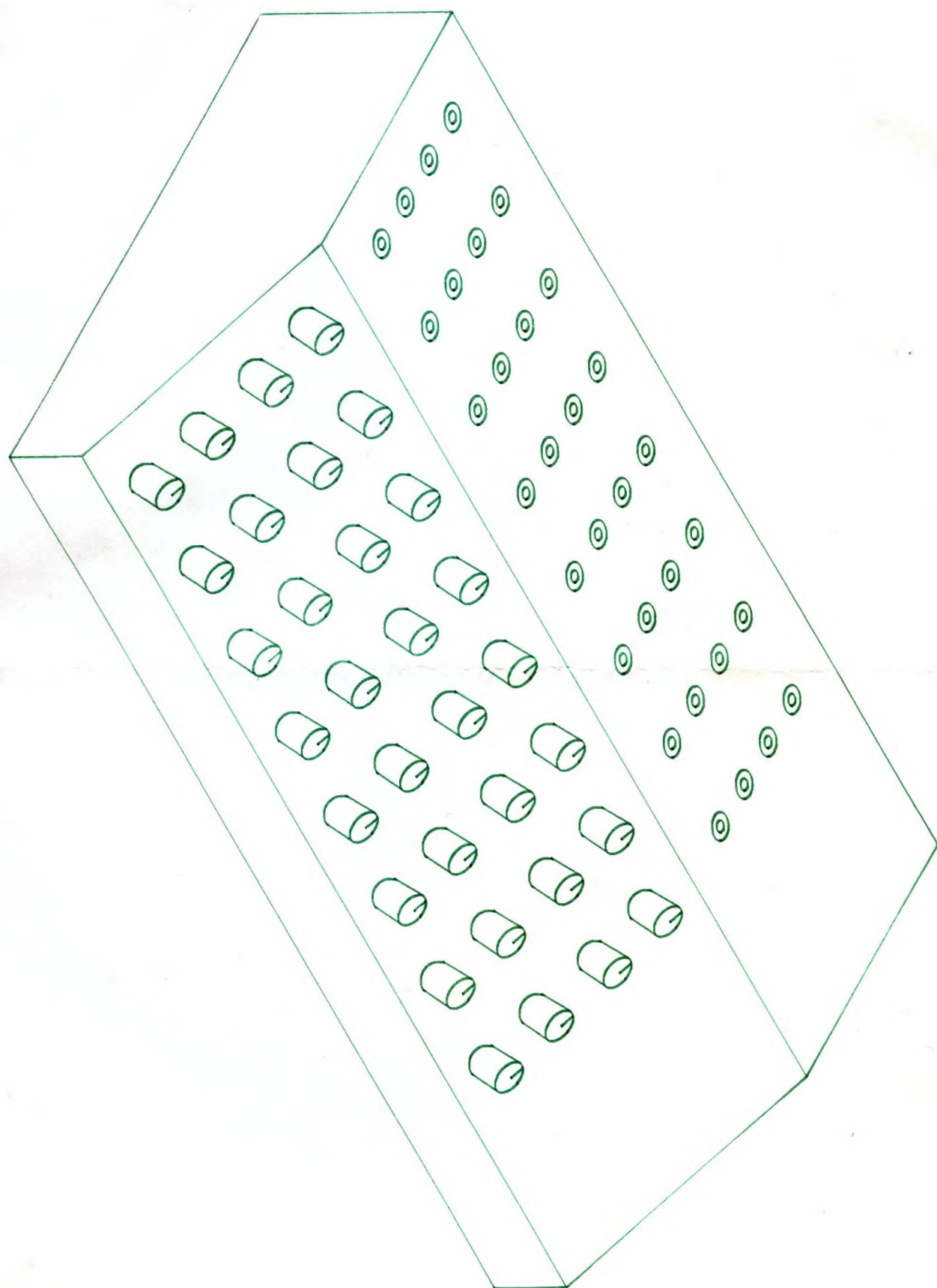


[illegible]

Fig. 1





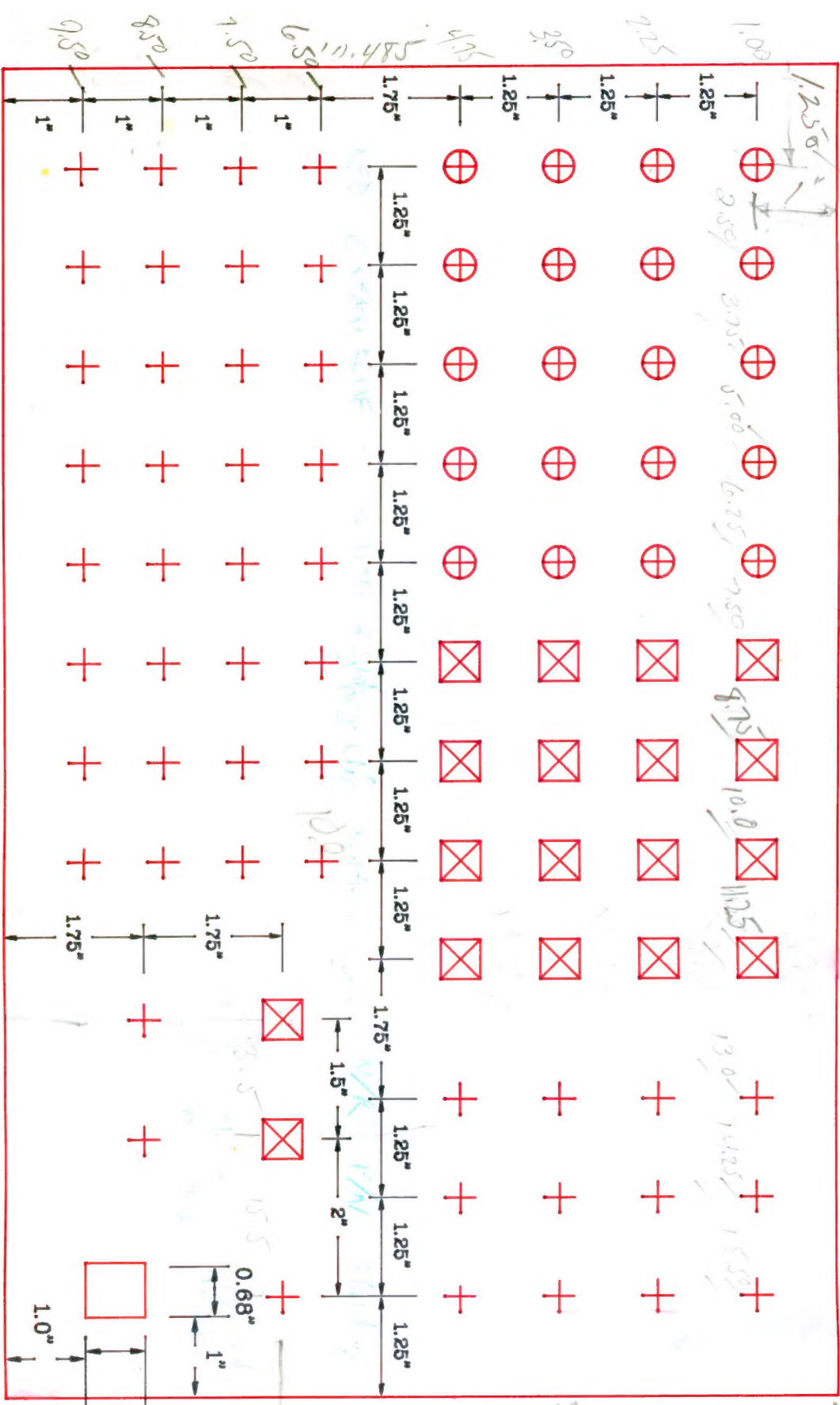


$\oplus$	$= 1/4''$ dia.
$\perp$	$= 3/8''$ dia.



12





Note: Panel is an LMB FB1050-17

20CS

12.11

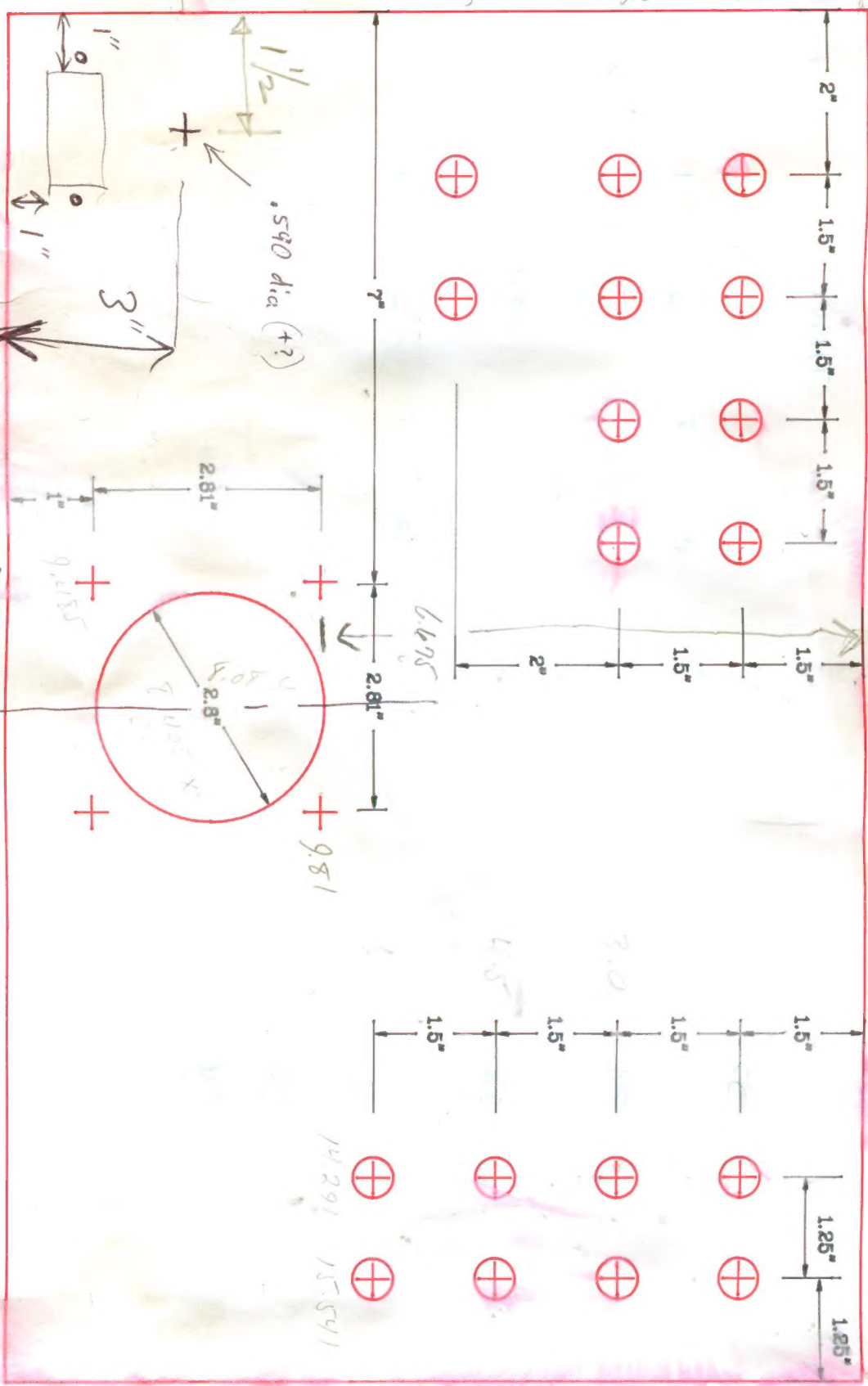
Designlab  
87 Chestnut st. Omega, N.Y.

CL-1 Front Panel

Hole Diagram

10/21/88

FD



2 pcs.

Note:

- + = 0.185" Dia. Holes
- ⊕ = 0.375" Dia. Holes

Panel is an LMB FB1050-17

**Designlab**

87 Chestnut st. Oswego, N.Y.

CL-1 Back Panel

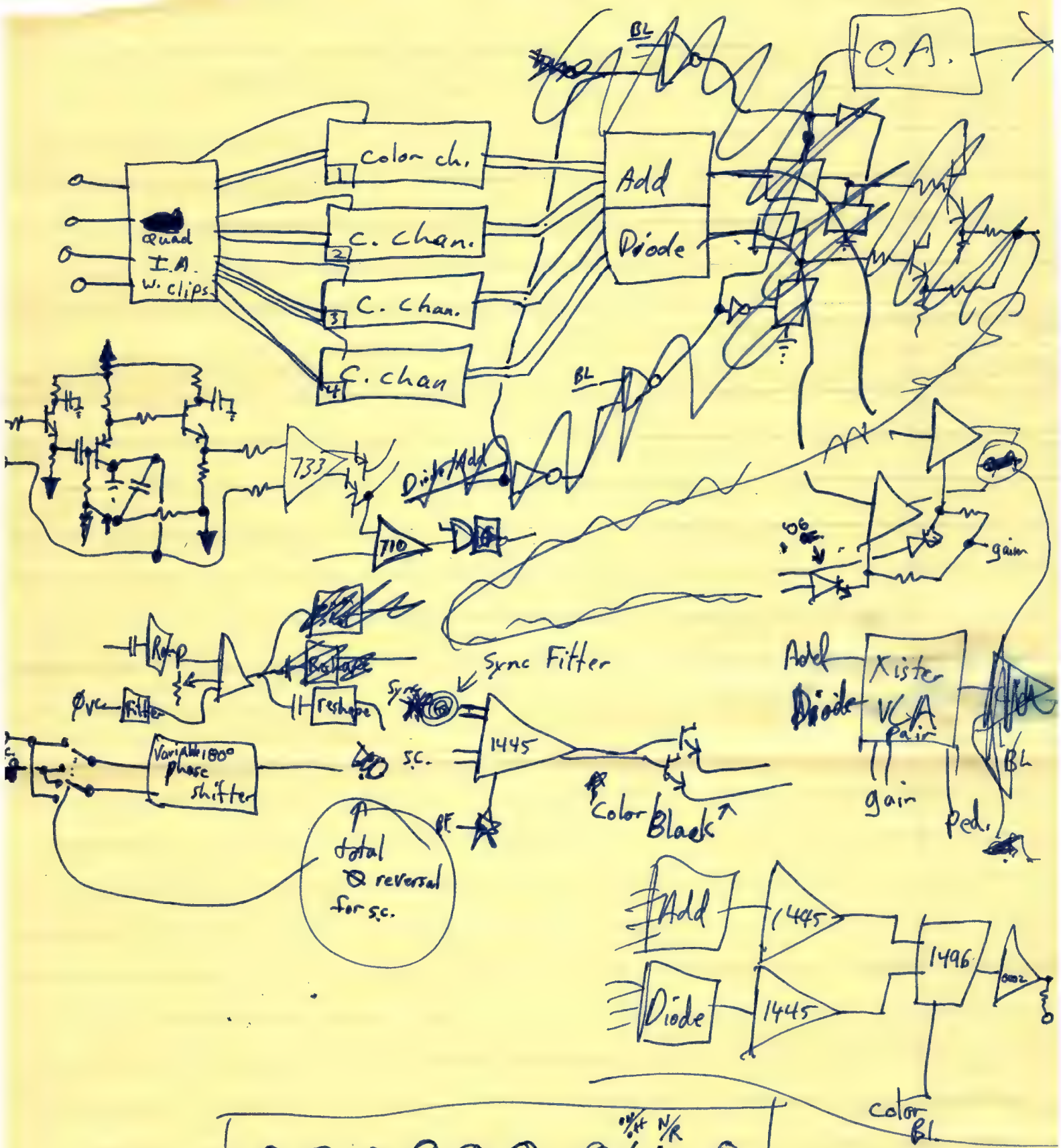
Hole Diagram

10/21/86

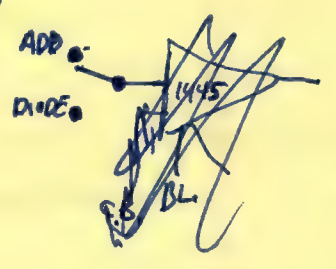
59

20.10.480

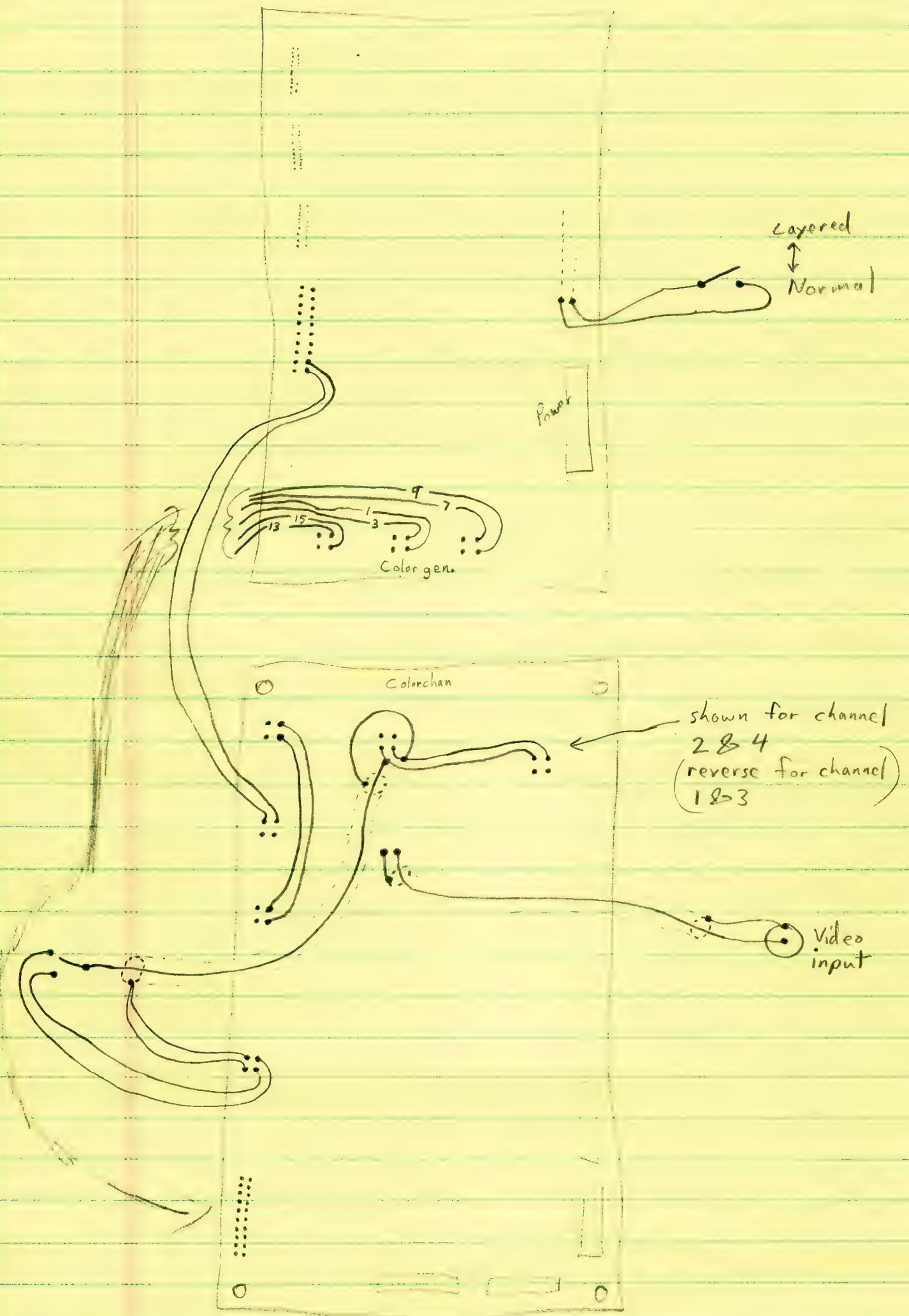




1	(R)	(G)	(B)	(S)	(V)	(P)	(C)	N/R	(G)
2	(R)	(G)	(B)	(S)	(V)	(P)	(C)	✓	
3	(R)	(G)	(B)	(S)	(V)	(P)	(C)	✓	Q.A.
4	(R)	(G)	(B)	(S)	(V)	(P)	(C)	✓	(G)







1 }  
 2 } (-5)  
 3 }  
 4 } (+5)  
 5 Ped. pot  
 6 Ped. mini  
 7 }  $\frac{1}{\text{---}}$   
 8 }  $\frac{1}{\text{---}}$   
 9 gain mini  
 10 gain pot  
 11 Sync  
 12 B.F.  
 13  $\frac{1}{\text{---}}$   
 14 BL  
 15 SC -  
 16 SC +  
 17  $\frac{1}{\text{---}}$  (out #1)  
 18 out #1  
 19  $\frac{1}{\text{---}}$  (out #2)  
 20 out #2

## EXT Power

1 -16  
 2 -8  
 3  $\frac{1}{\text{---}}$   
 4  $\frac{1}{\text{---}}$   
 5  $\frac{1}{\text{---}}$   
 6 +16  
 7 +8  
 8  $\frac{1}{\text{---}}$

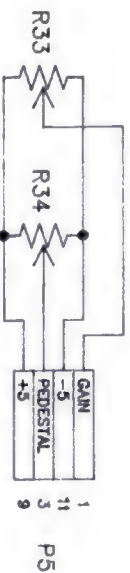
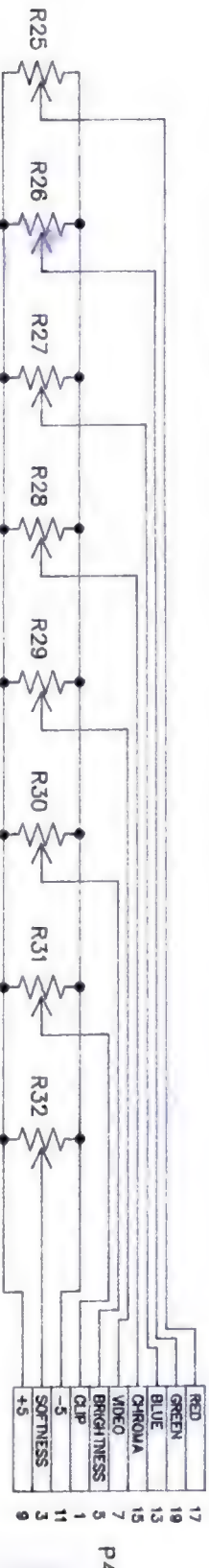
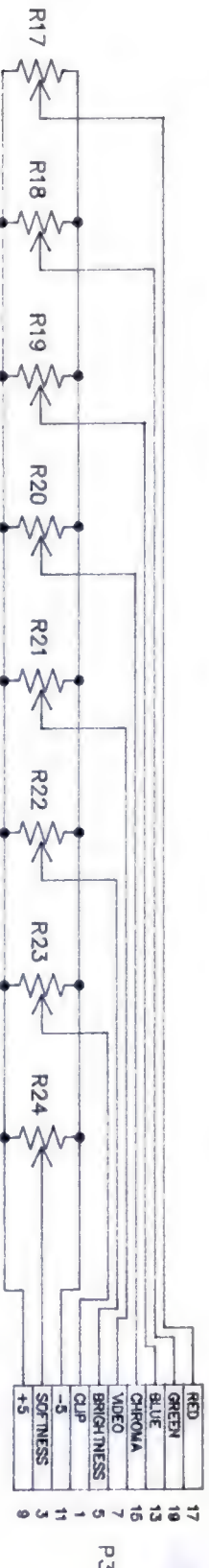
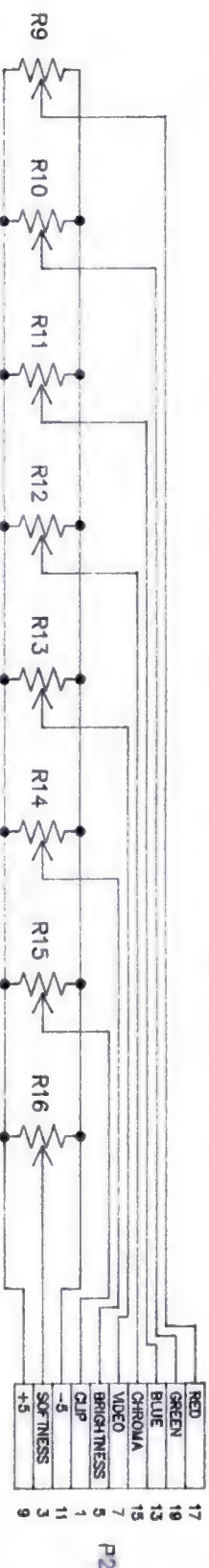
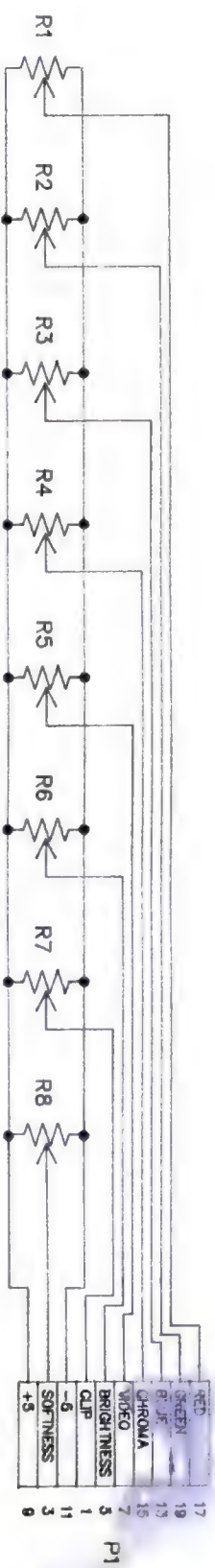
# CL-1

## Output Amp:

- ① add  $75\ \Omega$  for second output
- ② add  $8.2\text{K}$  offset on ~~2<sup>nd</sup>~~ Video Amp
- ③ input resistors are  $2\text{K}$  (No DC restore section)
- ④ put 2 regulators on (+5 & -5)
- ⑤ connector for unreg. power in
- ⑥ connector for Master gain & pod controls
- ⑦



all potentiometers are 10k linear.



*Designlab*

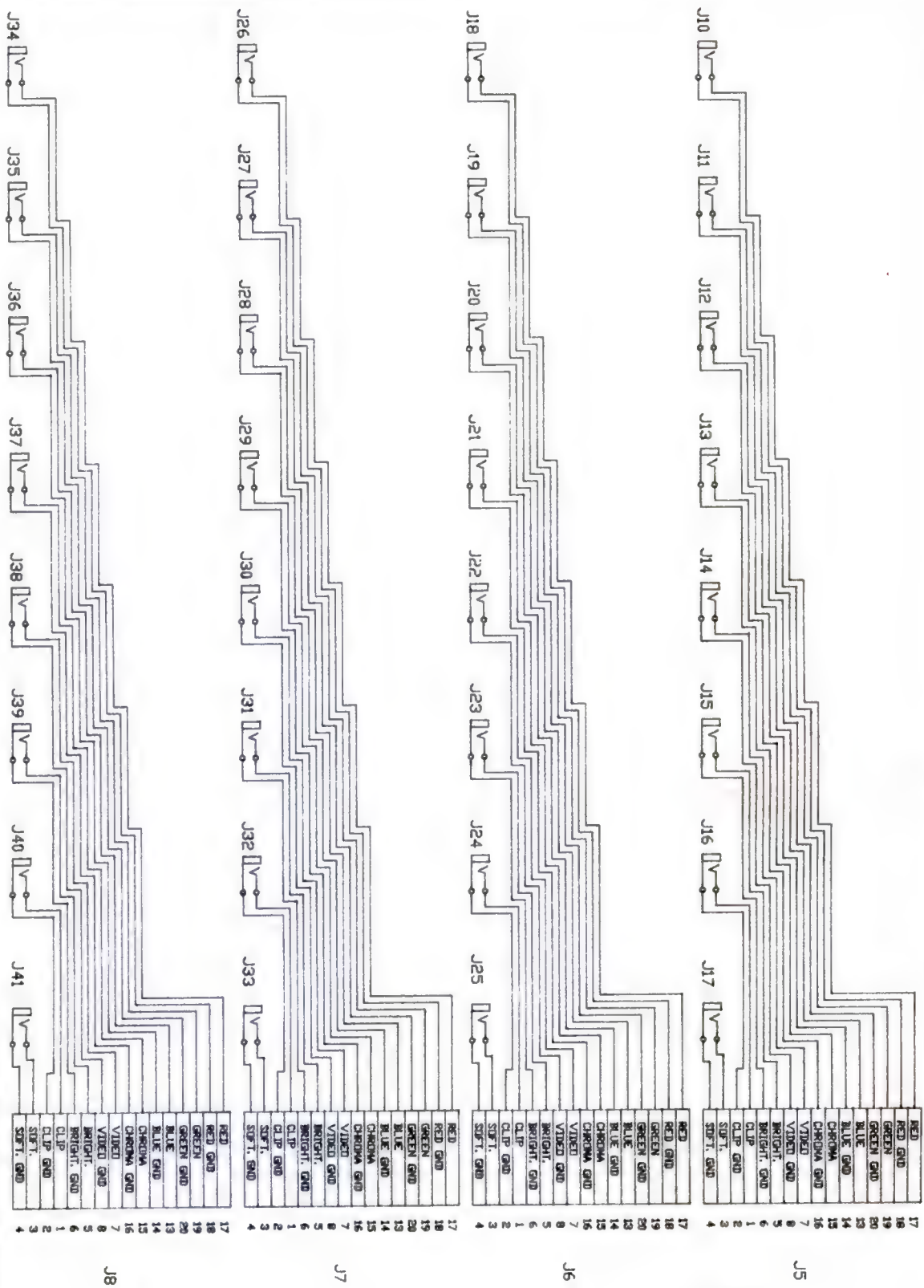
87 Chestnut st. Owego, N.Y.

Colorizer CL-1 Control panel

(P.C. board version)

6/11/85

D.G.

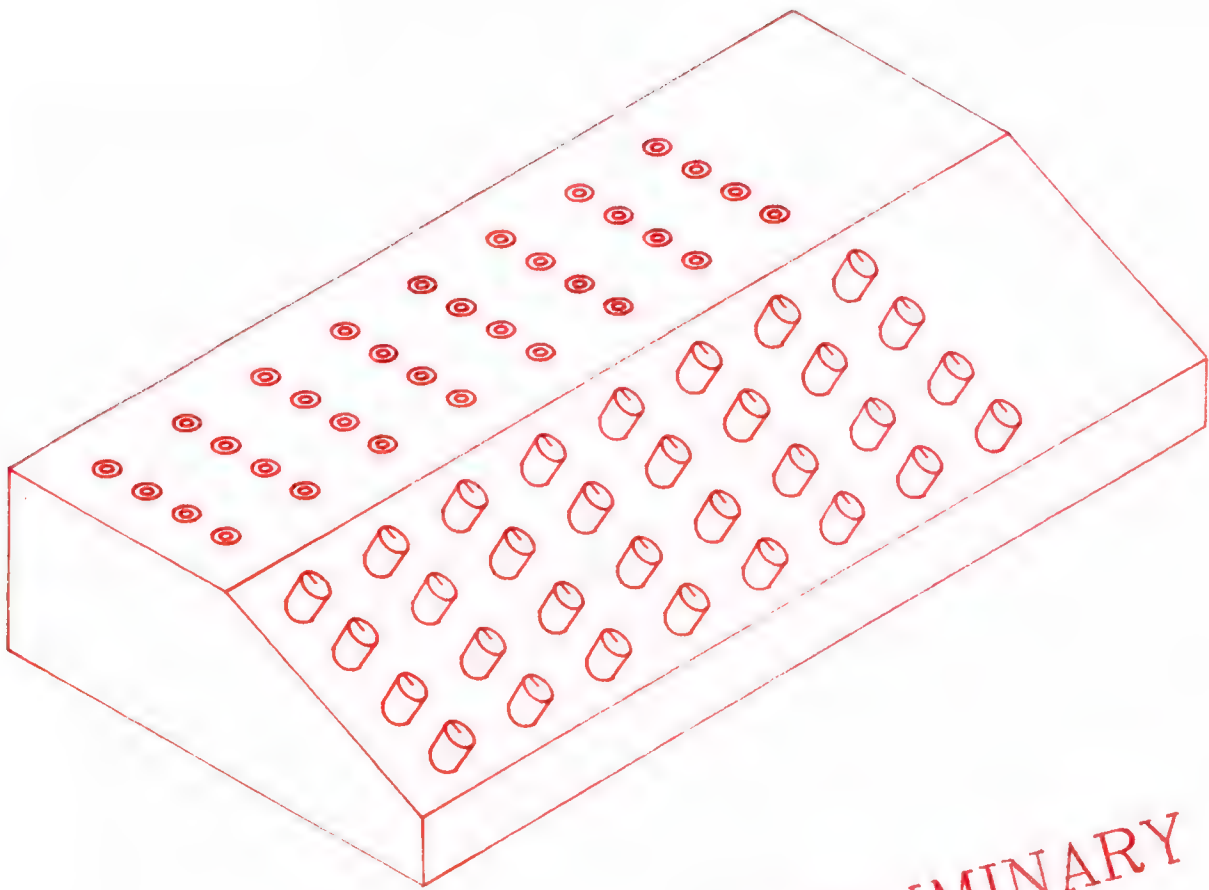


*Designlab*  
87 Chestnut st. Owego, N.Y.

Colorizer CL-1 Mini-Jack panel

6/11/85

mg



PRELIMINARY

CL-1

## Voltage Controllable Colorizer

### Features:

- A style switch to choose between the two styles of mixing.
- Master contrast and brightness controls.
- Four identical channels that each have:
  - Red, green and blue color controls.
  - Chroma control to set the richness of the color.
  - Video control to mix an external video signal with the color.
- A brightness control.
- Clip control and softness control that are used to choose areas in the image and fade them to black.
- A positive/negative switch for the external video.
- Normal/reverse switch for the clip control.



# CL-1 Colorizer

①

## Introduction :

The CL-1 Colorizer is a 4-channel colorizer with a <sup>soft-edge</sup> Keying system built in. ~~The Keying section does not function like a normal Keyer (see section for more information).~~

There are four identical channels that each have a color <sup>and Video</sup> mixing section ~~a video mixer~~ and a Keying section.

~~Each of the channels~~

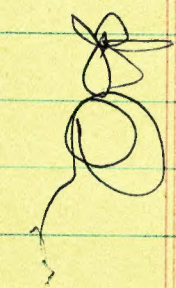
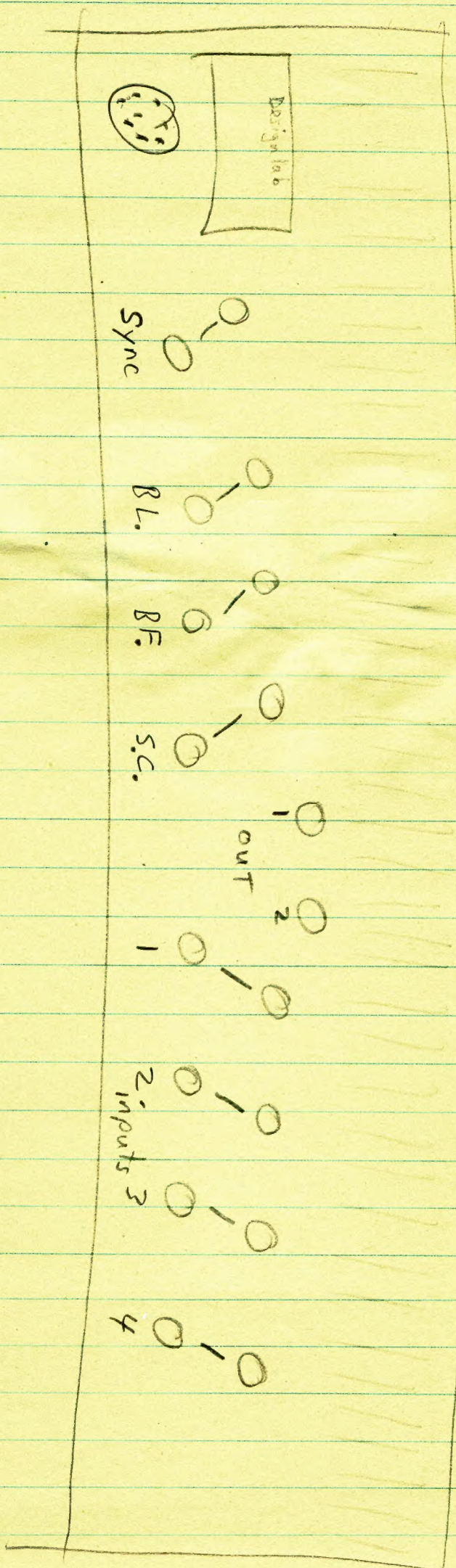
The four channels mix together in a ~~unique special type~~ dual purpose mixer that is switchable between a simple blend of the 4 channels and a unique "layered mix". After the mixer, the signal goes through an "output AMP" that turns the signal into an NTSC type video signal. The output amp also provides master contrast and brightness controls for the colorizer.



CL-1

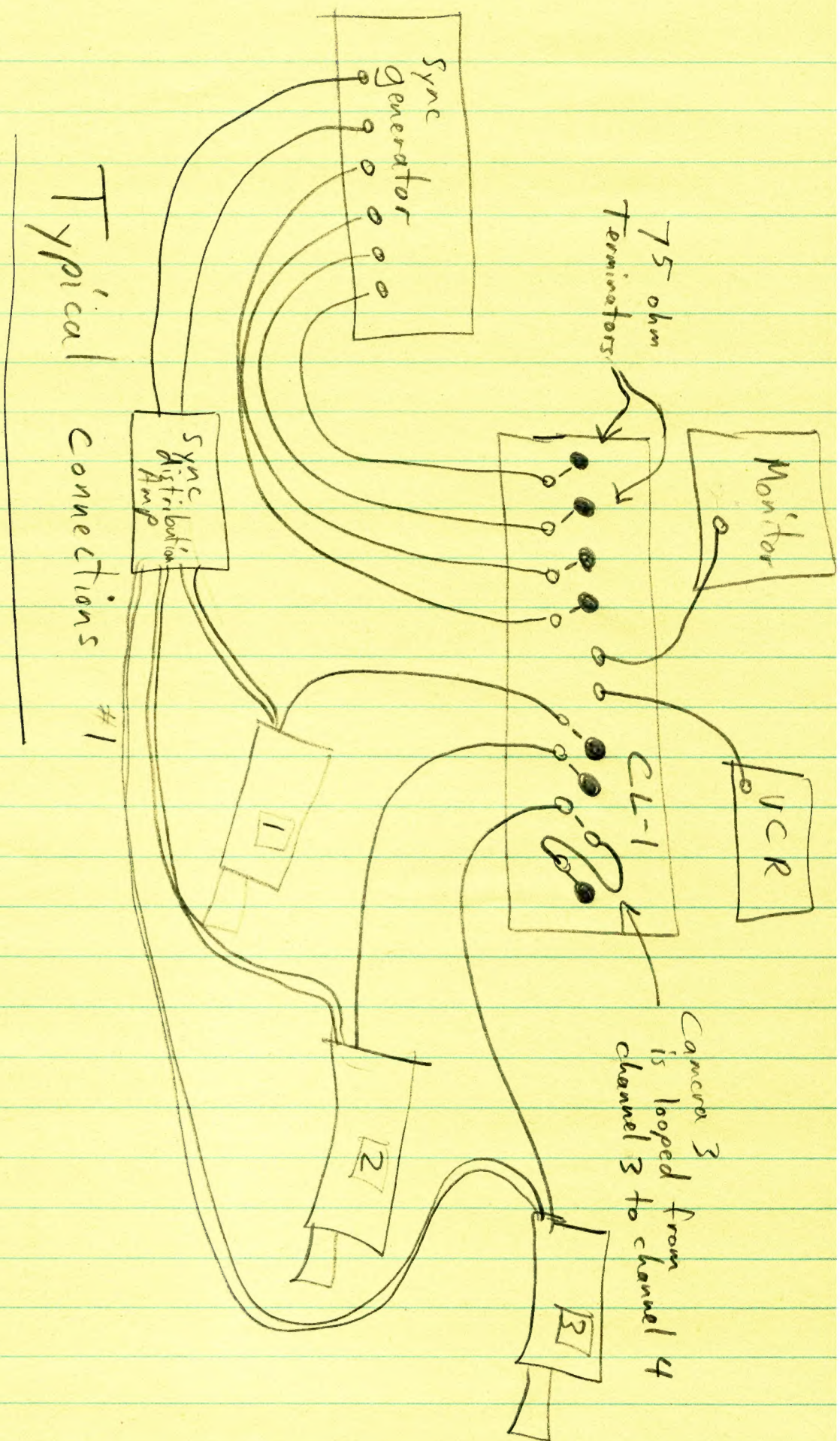
Back

Panel

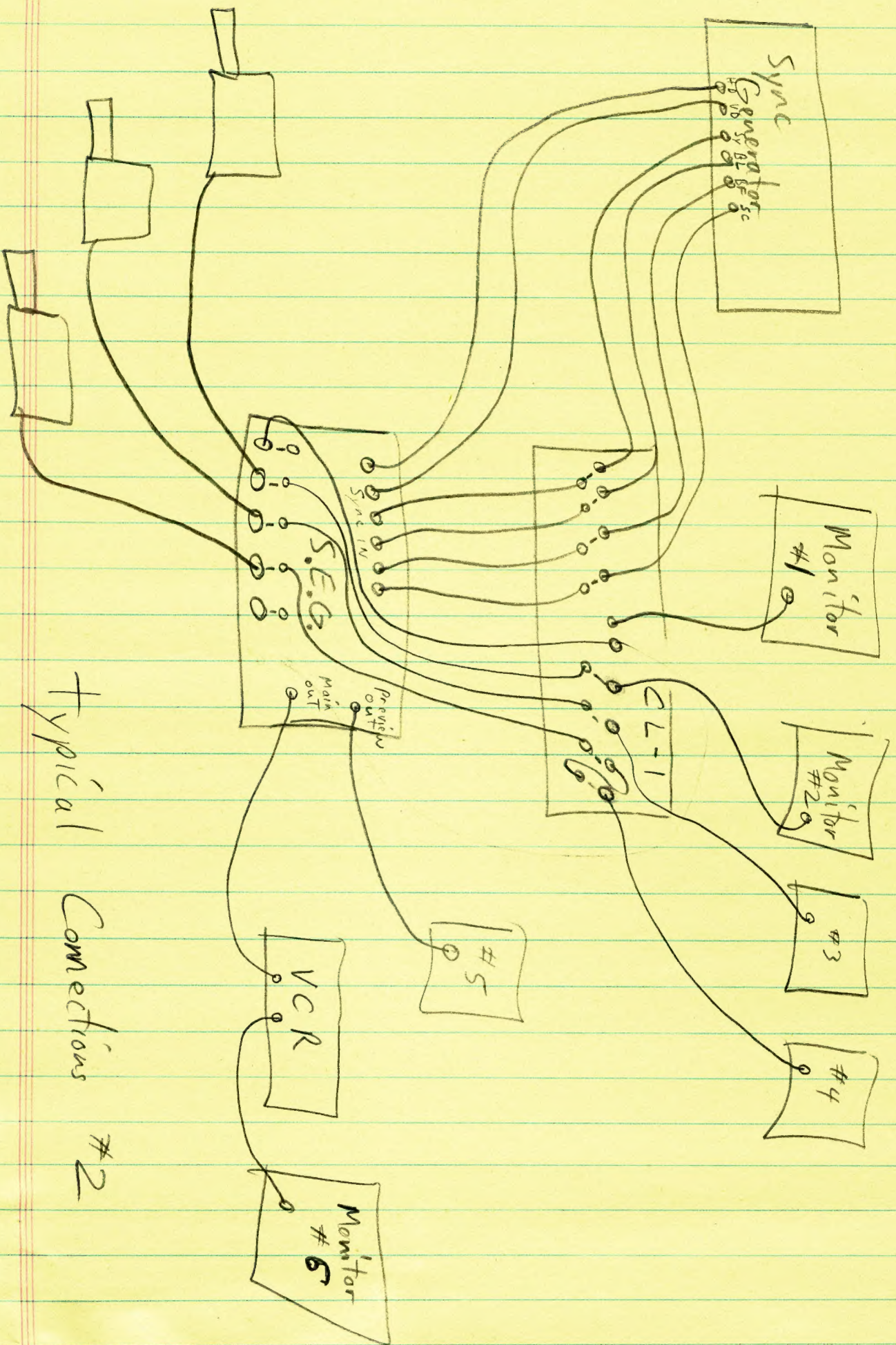


CONT/RAST  
BRIGHTNESS









Typical Connections #2